<110> BIO-RAD Pasteur

<120> Olignonucleotides for the detection of hepatitis B virus

<130> BET 04P1080

<140> US/10/583,088
<141> 2006-06-15

<160> 15

<170> PatentIn version 3.1

<210> 1
<211> 3215
<212> DNA
<213> Hepatitis B virus

<400> 1
ctccaccact ttccaccaaa ctcttcaaga tcccagagtc agggccctgt accttcctgc   60

tggtggctcc agttcaggaa cagtgagccc tgctcagaat actgtctctg ccatatcgtc   120

aatcttatcg aagactgggg accctgtgcc gaacatggag agcatcgcat caggactcct   180

aggacccctg ctcgtgttac aggcggggtt tttcttgttg acaaaaatcc tcacaatacc   240

acagagtcta gactcgtggt ggacttctct caattttcta gggggaacac ccgtgtgtct   300

tggccaaaat tcgcagtccc aaatctccag tcactcacca acctgttgtc ctccaacttg   360

tcctggttat cgctggatgt gtctgcggcg ttttatcatc ttcctctgca tcctgctgct   420

atgcctcatc ttcttgttgg ttcttctgga ctatcaaggt atgttgcccg tttgtcctct   480

aattccagga tcatcaacca ccagcacggg accatgcaag acttgcacag ctcctgctca   540

aggaacctct atgtttccct catgttgctg tacaaaacct acggacggaa actgcacctg   600

tattcccatc ccatcatctt gggctttcgc aaaataccta tgggagtggg cctcagtccg   660

tttctcttgg ctcagtttac tagtgccatt tgttcagtgg ttcgtagggc tttcccccac   720

tgtctggctt tcagttatat ggatgatgtg gttttggggg ccaagtctgt acaacatctt   780

gagtcccttt ataccgctgt taccaatttt cttttgtctt tgggtataca tttaaaccct   840

cacaaaacaa aaagatgggg atattccctt aacttcatgg gatatgtaat tgggagttgg   900

```
ggcacattgc cacaggaaca tattgtacaa aaaatcaaaa cgtgttttag gaaacttcct      960

gtaaacaggc ctattgattg gaaagtatgt caacgaattg tgggtctttt ggggtttgcc     1020

gcccctttca cgcaatgtgg atatcctgct ttaatgcctt tatatgcatg tatacaagca     1080

aaacaggctt ttactttctc gccaacttac aaggcctttc taagtaaaca gtatctgaac     1140

ctttaccccg ttgctcggca acggcctggt ctgtgccaag tgtttgctga cgcaaccccc     1200

actggttggg gcttggccat aggccatcag cgcatgcgtg gaacctttgt gtctcctctg     1260

ccgatccata ctgcggaact cctagccgct tgttttgctc gcagcaggtc tggggcaaaa     1320

ctcatcggga ctgacaattc tgtcgtgctc tcccgcaagt atacatcctt tccatggctg     1380

ctaggctgtg ctgccaactg gatcctgcgc gggacgtcct ttgtttacgt cccgtcggcg     1440

ctgaatcccg cggacgaccc ctcccggggc cgcttggggc tctaccgccc gcttctccgc     1500

ctgttgtacc gaccgaccac ggggcgcacc tctctttacg cggactcccc gtctgtgcct     1560

tctcatctgc cggaccgtgt gcacttcgct tcacctctgc acgtcgcatg gagaccaccg     1620

tgaacgccca caggaacctg cccaaggtct tgcataagag aactcttgga ctttcagcaa     1680

tgtcaacgac cgaccttgag gcatacttca aagactgtgt gtttactgag tgggaggagt     1740

tgggggagga ggttaggtta atgatctttg tactaggagg ctgtaggcat aaaattggtgc     1800

gttcaccagc accatgcaac tttttcacct ctgcctaatc atctcttgtt catgtcctac     1860

tgttcaagcc tccaagctgt gccttgggtg ctttgggac atggacattg acccgtataa     1920

agaatttgga gcttctgtgg agttactctc ttttttgcct tctgacttct ttcctgctgt     1980

tcgagatctc ctcgacaccg cctctgctct gtatcgggag gccttagagt ctccggaaca     2040

ttgttcacct caccatacgg caatcaggca agctattctg tgttggggtg agttgatgaa     2100

tctagccacc tgggtgggaa gtaatttgga agatcaagca tccagggact tagtagtcag     2160

ctatgtcaac gttaatatgg gcctaaaatt cagacaacta ttgtggtttc acatttcctg     2220

tcttacgttt gggagacaaa ctgttcttga atatttggtg tcctttggag tgtggattcg     2280

cactcctcct gcatatagac caccaaatgc ccctatctta tcaacacttc cggaaactac     2340

tgttgttaga caaagaggca ggacccctag aagaagaact ccctcgcctc gcagacgaag     2400

gtctcaatcg ccgcgtcgca gaagatctca atctcgggaa tctcaatgtt agtattcctt     2460

ggacacataa ggtgggaaac tttactgggc tttattcttc tacggtacct tgctttaatc     2520

ctaattggca aactccttct tttcctgaca ttcatttgca ggaggacatt gttgatagat     2580

gtaagcaatt tgtggggccc cttacagtaa atgaaaacag gagactaaaa ttaattatgc     2640

ctgctaggtt ttatcccaat gttactaaat atttgccctt agataaaggg atcaaaccgt     2700
```

2

attatccaga gtatgtagtt aatcattact tccagacgcg acattattta cacactcttt   2760

ggaaggcggg gatcttatat aaaagagagt ccacacgtag cgcctcattt tgcgggtcac   2820

catattcttg ggaacaagat ctacagcatg ggaggttggt cttccaaacc tcgaaaaggc   2880

atggggacaa atcttgctgt ccccaatccc ctgggattct tccccgatca tcagttggac   2940

cctgcattca aagccaactc agacaatcca gattgggacc tcaacacgca caaggactac   3000

tggccggacg catggaaggt gggagtggga gcattcgggc cagggttcac ccctccccat   3060

gggggactgt tggggtggag ccctcaggct cagggcctac tcacaactgt gccagcagct   3120

cctcctcctg cctccaccaa tcggcagtca ggaaggcagc ctactccctt atctccacct   3180

ctaagagaca ctcatccaca ggccatgaag tggaa   3215

<210>   2
<211>   18
<212>   DNA
<213>   Artificial

<220>
<223>   oligonucleotide

<400>   2
gctgaatccc gcggacga   18

<210>   3
<211>   21
<212>   DNA
<213>   Artificial

<220>
<223>   oligonucleotide

<400>   3
gtgcagaggt gaagcgaagt g   21

<210>   4
<211>   19
<212>   DNA
<213>   Artificial

<220>
<223>   oligonucleotide

<400>   4
gttcacggtg gtcgccatg   19

<210>   5

3

<211> 19
<212> DNA
<213> Artificial

<220>
<223> oligonucleotide

<400> 5
gttcacggtg gtctccatg   19

<210> 6

<211> 21
<212> DNA
<213> Artificial

<220>
<223> oligonucleotide

<400> 6
cgttcacggt ggtcgccatg c   21

<210> 7

<211> 21
<212> DNA
<213> Artificial

<220>
<223> oligonucleotide

<400> 7
cgttcacggt ggtctccatg c   21

<210> 8

<211> 22
<212> DNA
<213> Artificial

<220>
<223> oligonucleotide

<400> 8
ggagtccgcg taaagagagg tg   22

<210> 9

<211> 22
<212> DNA
<213> Artificial

```
<220>
<223>  oligonucleotide


<400>   9
ggagaccgcg taaagagagg tg                                                22


<210>   10
<211>   22
<212>   DNA
<213>   Artificial

<220>
<223>  oligonucleotide


<400>   10
ggagtctgcg taaagagagg tg                                                22


<210>   11
<211>   22
<212>   DNA
<213>   Artificial

<220>
<223>  oligonucleotide


<400>   11
ggagactgcg taaagagagg tg                                                22


<210>   12
<211>   32
<212>   DNA
<213>   Artificial

<220>
<223>  oligonucleotide


<400>   12
cggcaggagt ccgcgtaaag agaggtgtgc cg                                     32


<210>   13
<211>   32
<212>   DNA
<213>   Artificial

<220>
<223>  oligonucleotide


<400>   13
cggcaggaga ccgcgtaaag agaggtgtgc cg                                     32
```

```
<210>  14
<211>  32
<212>  DNA
<213>  Artificial

<220>
<223>  oligonucleotide


<400>  14
cggcaggagt ctgcgtaaag agaggtgtgc cg                                    32


<210>  15
<211>  32
<212>  DNA
<213>  Artificial

<220>
<223>  oligonucleotide


<400>  15
cggcaggaga ctgcgtaaag agaggtgtgc cg                                    32
```